

A METHOD AND SYSTEM FOR PROVIDING
PRIORITY TO A STATION IN A CONGESTED
HALF DUPLEX ETHERNET NETWORK

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ABSTRACT OF THE DISCLOSURE

10 A method and system for providing priority to a station in a congested half
duplex Ethernet network. Specifically, one embodiment of the present invention
includes a method for providing priority to a peripheral component (e.g., half duplex
Network Interface Card) in a congested network. The method includes the step of
detecting a collision of a data packet during transmission of the data packet by a
15 peripheral component coupled to a network. Furthermore, the method includes the
step of determining a restricted back off time. It should be appreciated that the
restricted back off time is substantially equal to or less than a restricted time value.
Additionally, the method includes the step of causing the peripheral component to wait
the restricted back off time before trying to retransmit the data packet over the network.

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